<u>COMMON GATEWAY SERVICES CSCI - Justin Beaver</u>

<u>OVERVIEW</u>

The Gateway Common Services CSCI provides the essential functions to make any CLCS gateway operational. It is resident on both the Gateway Control Processor (GCP) and the Front End Process Controller (FEPC). The Gateway Common Services CSCI is composed of multiple concurrent tasks that perform individual functions in order to support all the resources in the Gateway.

<u>ACTIONS</u>	<u>ACTIONEE</u>	<u>DUE DATE</u>	<u>STATUS</u>
No action required			

*Approved

DATA DISTRIBUTION CSC - Julie Silva

OVERVIEW

The Data Distribution CSC resides in the Data Distribution Processor (DDP), the Command and Control Workstations (CCWSs), and the Command and Control Processor (CCPs). The Data Distribution CSC running in the DDP provides the capability to read FD data from the Gateways and distribute it to the RTCN and DCN. The Data Distribution CSC running in the CCPs and *CCWS* provide the capability to receive FD data from DDP and make it available to Command, user applications, and user displays.

ACTIONS	ACTIONEE	DUE DATE	STATUS
1. Ensure that the proposed Data Distribution and Constraint Management design for Thor will support constraint exception checking at the data change rate, and reliable delivery of exceptions with context to target applications and data logging.	Brian Bateman	11-21-97	In-work
2. Determine if inhibit/ activate of a Data Fusion FD can be used to control the computation of the FD rather that just the publishing of the FD result.	Brian Bateman	11-21-97	In-work

*Approved

CONSTRAINT MANAGER PHASE 1 THREAD ASSESSMENT - Rodney Davis

OVERVIEW

The Constraint Manager Phase 1 Thread provides basic Constraint Management application support. Constraint Management provides the capability to monitor one or more FDs for a predetermined condition and notify personnel operating the Test Set, and software applications executing within the Test Set, that the monitored data has transitioned into or out of the constraint condition.

ACTIONS	ACTIONEE	DUE DATE	STATUS
No action required			

*Approved

DATA HEALTH CSC - Julie Silva

OVERVIEW

Data Health is the term applied to the integrity and validity of a Function Designator (FD) value which is being distributed from a CLCS subsystem. The health of an FD may represent the state of a hardware component, a communication path, resultant data from a Fusion operation, or application data. The boundaries of the data health measurement are the sending of the data by a component at one end of the data path and the receiving of data by a component at the other end. The status of the Data Health bit, as valid or invalid, determines the usability of the data.

The Data Health CSC is the software component that applies health status to each FD processed by the DDP, and provides the health status to applications at the CCWS and CCP via Data Distribution.

ACTIONS	**ACTIONEE**	**DUE DATE**	**STATUS**
No action required			

*Approved

GSE GATEWAY SERVICES CSCI - Mike Lunceford

OVERVIEW

The GSE Gateway Services CSCI provides the functionality required to interface to a HIM Ground Data Bus (GDB). This functionality includes the ability to issue commands to and poll measurement information from GSE HIMs. The GSE Gateway Services CSCI resides on the Front End Control Processor within the GSE gateway. The CSCI interfaces to the HIM GDB through the BSE/LDB HWCI and to the remainder of CLCS through the GCP Services API which is part of the Common Gateway Services CSCI.

ACTIONS	ACTIONEE	DUE DATE	STATUS
1. Define a CLCS approach for recovery, dump, memory displays, alters, etc..	ERP		
2. Define the requirements for LPC processing within GSE gateways.	ERP		

*Approved